

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	18	"L2" and electron with (source or emitt\$4 or inject \$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4) and (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/18 11:10
S1	7557	(250/396r-396ml).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/14 12:02
S2	4189	@ad<"20031230" and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:07
S3	782	@ad<"20031230" and S1 and electron beam with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:08
S4	429	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:12

S5	258	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:15
S6	0	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode same extract\$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 14:07
S7	14	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 14:08

S8	153752	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/14 14:15
S9	42	@ad<"20031230" and S8 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 14:15
S10	153753	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/18 13:01
S11	58	@ad<"20031230" and S10 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri \$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/18 13:01
S12	153802	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/19 17:52

S13	6	@ad<"20031230" and S12 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and (micro?point\$4 or micro point\$4 or micropoint\$4 or nano?tub\$4 or nano tub\$4 or nanotub\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/19 17:52
S14	18107	(250/396R-396ML,492.1-492.3,493.1-494.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/20 13:08
S15	27	@ad<"20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:08

S16	4	@ad<"20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and (micro?point\$4 or micro point\$4 or micropoint\$4 or nano?tub\$4 or nano tub\$4 or nanotub\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:08
S17	1	@ad<"20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and substrate same3 cathode same3 extract\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:14

S18	15	@ad< "20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and substrate same3 cathode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:19
S19	2	("5548185").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/20 13:24
S20	2	((YOHAN) near2 (DESIERES)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/20 13:28
S21	56	((PIERRE) near2 (NICOLAS)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S22	4	((CHARLOTTE) near2 (GILLOT)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S23	32	((SERGE) near2 (GIDON)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S24	16	((JEAN-LUC) near2 (MARTIN)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S25	3	((YOHAN) near2 (DESIERES)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:49
S26	105	S25 S24 S23 S22 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/14 12:49
S27	3748	COMMISSARIAT ADJ2 L'ENERGIE ADJ ATOMIQUE.AS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/14 12:51
S28	61	@AD< "20041229" AND S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/14 12:55

S29	12	US-5548185-\$.DID. OR US-5430347-\$.DID. OR US-1249855-\$.DID. OR US-1101602-\$.DID. OR US-6091202-\$.DID. OR US-1380126-\$.DID. OR US-8911157-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/10/14 12:55
S30	10	EP-1249855-\$.DID. OR US- 5548185-\$.DID. OR EP- 0780879-\$.DID. OR US- 1380126-\$.DID. OR WO- 02082497-\$.DID. OR US- 5763997-\$.DID. OR DE- 69615804-\$.DID. OR DE- 69615804D-\$.DID. OR JP- 3033484-\$.DID. OR JP- 9171794-\$.DID. OR US- 6091202-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/10/14 13:01
S31	10	EP-1249855-\$.DID. OR US- 5548185-\$.DID. OR EP- 0780879-\$.DID. OR US- 1380126-\$.DID. OR WO- 02082497-\$.DID. OR US- 5763997-\$.DID. OR DE- 69615804-\$.DID. OR DE- 69615804D-\$.DID. OR JP- 3033484-\$.DID. OR JP- 9171794-\$.DID. OR US- 6091202-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:47
S32	8	@AD< "20041229" AND S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:47
S33	18559	(250/396R-396ML,492.1- 492.3,493.1-494.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/05 12:50
S34	981	@ad< "20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:50

S35	547	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:54
S36	0	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold ) with (ball or spher\$7 or dome)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:56
S37	1	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:56



		many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold ) same (ball or spher\$7 or dome)				
S38	4	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold ) same (ball or spher\$7 or dome or glob \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:57
S39	0	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold ) with (ball or spher\$7 or dome or glob \$3 or round\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:57

S40	4	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold ) same (ball or spher\$7 or dome or glob\$3 or round\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:57
S41	234	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (ball or spher\$7 or dome or glob\$3 or round\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:03
S42	158	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:03

		array or matrix or matrix or (at adj least) or (one adj "or" adj more) or many or multiple\$4 or multi \$4 or several\$4) and (ball or sphere\$7)				
S43	4	@ad<"20031230" and S33 and electron with (source or emit\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matrix or (at adj least) or (one adj "or" adj more) or many or multiple\$4 or multi \$4 or several\$4) and (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matrix or (at adj least) or (one adj "or" adj more) or many or multiple\$4 or multi \$4 or several\$4) and (ball or sphere\$7) with (metal\$4 or alloy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:04
S44	4	S43 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:04
S45	547	@ad<"20031230" and S33 and electron with (source or emit\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matrix or (at adj least) or (one adj "or" adj more) or many or multiple\$4 or multi \$4 or several\$4) and (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matrix or (at adj least) or (one adj "or" adj more) or many or multiple\$4 or multi \$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:18

S46	2	("5548185").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/05 14:01
S47	949	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or beam) with (plural \$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4) and (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:13
S48	259	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or beam) with (plural \$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4) and (electrod\$4 ) with (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:17
S50	72	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or beam) with (plural \$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4) and (electrod\$4 ) with (aperture or orifice or open \$3 or inlet or entrance or diaphragm or passage\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:19

		or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface)				
S51	72	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:29
S52	60	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:30

S53	1	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4) with membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:37
S54	34	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun ) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:55
S55	32	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun ) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:12

		multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4)				
S56	40	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun ) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (substrate or plate or membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:13
S57	40	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun ) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (substrate or plate or membrane or layer or surface) and electrode with (metal\$4 or \$4conduct\$4 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:13
S58	2	"US 20070080647"	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/11/05 15:15

S59	8	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun ) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) same (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (substrate or plate or membrane or layer or surface) and electrode with (metal\$4 or \$4conduct\$4 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:35
S60	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2009/11/05 17:10
S61	1	(US-20050035300-\$).did.	US-PGPUB	ADJ	ON	2009/11/05 17:12
S62	1	(US-20030218140-\$).did.	US-PGPUB	ADJ	ON	2009/11/05 17:12
S63	1	(US-20010052576-\$).did.	US-PGPUB	ADJ	ON	2009/11/05 17:12
S64	1	(US-6872950-\$).did.	USPAT	ADJ	ON	2009/11/05 17:13
S65	1	(US-6617595-\$).did.	USPAT	ADJ	ON	2009/11/05 17:13
S66	1	(US-6512235-\$).did.	USPAT	ADJ	ON	2009/11/05 17:13
S67	1	(US-6175122-\$).did.	USPAT	ADJ	ON	2009/11/05 17:14
S68	1	(US-5981962-\$).did.	USPAT	ADJ	ON	2009/11/05 17:14
S69	1	(US-5962859-\$).did.	USPAT	ADJ	ON	2009/11/05 17:14
S70	1	(US-5486697-\$).did.	USPAT	ADJ	ON	2009/11/05 17:15
S71	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2009/11/05 17:15
S72	11	S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 17:15



S73	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2009/11/05 17:17
S74	19161	(250/396R-396ML,492.1-492.3,493.1-494.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/09 12:56
S75	167	@ad<"20031230" and S74 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (speher\$4 or ball\$2 or round\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 12:56
S76	6	@ad<"20031230" and S74 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (speher\$4 or ball\$2 or round\$4) with metal\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:02
S77	4	((YOHAN) near2 (DESIERES)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 13:12
S78	63	((PIERRE) near2 (NICOLAS)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 13:12
S79	5	((CHARLOTTE) near2 (GILLOT)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 13:12
S80	36	((SERGE) near2 (GIDON)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 13:12
S81	18	((JEAN-LUC) near2 (MARTIN)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 13:12
S82	12	US-5548185-\$.DID. OR US-5430347-\$.DID. OR US-1249855-\$.DID. OR US-1101602-\$.DID. OR US-6091202-\$.DID. OR US-1380126-\$.DID. OR US-8911157-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:12
S83	2748	@ad<"20031230" and COMMISSARIAT A L'ENERGIE ATOMIQUE.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:13

S84	2792	@ad<"20031230" and (S78 or S79 or S80 or S81 or S82 or S77 or S83)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:13
S85	239	@ad<"20031230" and (S78 or S79 or S80 or S81 or S82 or S77 or S83) and electron near3 (source or beam or emitt\$4 or cathode or anode or filament)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:14
S86	165	@ad<"20031230" and (S78 or S79 or S80 or S81 or S82 or S77 or S83) and electron near3 (source or beam or emitt\$4 or cathode or anode or filament) and (spher\$4 or ball or drop or dots or particle or matri\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:17
S87	154	@ad<"20031230" and (S78 or S79 or S80 or S81 or S82 or S77 or S83) and electron near3 (source or beam or emitt\$4 or cathode or anode or filament) and (\$5spher\$4 or \$6ball or drop or dots or particle )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:21
S88	83	@ad<"20031230" and (S78 or S79 or S80 or S81 or S82 or S77 or S83) and electron near3 (source or beam or emitt\$4 or cathode or anode or filament) and (\$5spher\$4 or \$6ball )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:21
S89	58664	@ad<"20031230" and electron near2 (source or beam or emitt\$4 or cathode or anode or filament) and (\$5spher\$4 or \$6ball )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:40
S90	13134	@ad<"20031230" and electron near2 (source or beam or emitt\$4 or cathode or anode or filament) same (\$5spher\$4 or \$6ball )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:41

S91	597	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) same (\$5spher \$4 or \$6ball )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:41
S92	595	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) same (\$4spher \$4 or \$6ball )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:42
S93	27	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) same (\$4spher \$4 or \$6ball ) with (Au or gold or metal\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:43
S94	64	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) same (\$4spher \$4 or \$6ball ) same (Au or gold or metal\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:43
S95	27	S93 not S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:43
S96	5	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) same ((\$4spher \$4 xor atmospher\$4) or (atmospher\$4 and hemisper\$4) or \$6ball) with (Au or gold or metal \$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:50
S97	37	S94 not S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:52
S98	37	S97 not S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:52

S99	0	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) same (film or layer) with anisotropic conduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:57
S100	0	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) with anisotropic conduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:57
S101	0	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) same anisotropic conduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:57
S102	0	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) and anisotropic conduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:57
S103	147	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) and anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:58
S104	89	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) same anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:58
S105	62	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) with anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:58
S106	8	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) with anisotropic near3 conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:58

S107	0	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) same (film or layer) with anisotropic near3 conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:58
S108	7	(US-20030025088-\$).did. or (US-6486479-\$ or US-6459090-\$ or US-6118129-\$ or US-5920077-\$ or US-5614725-\$ or US-5528048-\$).did.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 13:59
S109	7	@ad<"20031230" and S108 and (film or layer) with anisotropic near3 conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 13:59
S110	7	@ad<"20031230" and S108 and (film or layer) with anisotropic near3 conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 15:04
S111	62	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) with anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 15:05
S112	54	(US-20040104357-\$ or US-20040061065-\$ or US-20040000649-\$ or US-20030197135-\$ or US-20030189180-\$ or US-20030102443-\$ or US-20030066749-\$ or US-20030025088-\$ or US-20020153496-\$ or US-20020060297-\$ or US-20010028046-\$ or US-20010028044-\$ or US-20010028043-\$ or US-20010028042-\$ or US-20010028038-\$).did. or (US-7282709-\$ or US-7201824-\$ or US-6986280-\$ or US-6984589-\$ or US-6847036-\$ or US-6841402-\$ or US-6812473-\$ or US-6627903-\$ or US-6486479-\$ or US-6459090-\$ or US-6455332-\$ or US-6118129-\$ or US-6042993-\$ or US-5920077-\$ or US-5916733-\$ or US-5814423-\$ or US-	US-PGPUB; USPAT; JPO	ADJ	ON	2010/06/09 15:05

		5729026-\$ or US-5614725-\$ or US-5528048-\$ or US-5363021-\$ or US-5338626-\$ or US-5283440-\$ or US-5254417-\$ or US-5244820-\$ or US-5234780-\$ or US-5215623-\$).did. or (US-5160843-\$ or US-5134301-\$ or US-5049460-\$ or US-4957835-\$ or US-4902898-\$ or US-4822451-\$ or US-4633090-\$ or US-4566937-\$ or US-4384208-\$ or US-4325084-\$ or US-3787720-\$).did. or (JP-04289411-\$ or JP-03008320-\$).did.				
S113	54	@ad<"20031230" and S112 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (film or layer) with anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 15:05
S114	54	@ad<"20031230" and S112 and (film or layer) with anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 15:06
S115	0	@ad<"20031230" and S112 and (film or layer) with anisotropic and anisotropic conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:08
S116	9	@ad<"20031230" and S112 and (film or layer) with anisotropic and anisotropic\$4 near5 conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:08
S117	45	@ad<"20031230" and S74 and electron near2 (source or beam or emitt \$4 or cathode or anode or filament) and (aperture or diaphragm or slit ) and (film or layer) with anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:12
S118	11	(US-20050035300-\$ or US-20030218140-\$ or US-20010052576-\$).did. or (US-6872950-\$ or US-6617595-\$ or US-6512235-\$ or US-6175122-\$ or US-5981962-\$ or US-5962859-\$ or US-5486697-\$ or US-5363021-\$).did.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 16:13

S119	1	@ad<"20031230" and S118 and anisotropic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:13
S120	3	@ad<"20031230" and S118 and anisotropic\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:13
S121	0	@ad<"20031230" and S74 and field oxide (layer or film) with anisotrop\$7 with conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:33
S122	0	@ad<"20031230" and S74 and field oxide with (layer or film) with anisotrop\$7 with conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:33
S123	0	@ad<"20031230" and S74 and field oxide with (layer or film) same anisotrop\$7 with conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:33
S124	158	@ad<"20031230" and field oxide with (layer or film) same anisotrop\$7 with conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:33
S125	65	@ad<"20031230" and field oxide (layer or film) with anisotrop\$7 with conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:34
S126	0	@ad<"20031230" and field oxide (layer or film) with anisotrop\$7 conduct \$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:34
S127	35	@ad<"20031230" and field oxide (layer or film) with anisotrop\$7 near5 conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:34
S128	5	@ad<"20031230" and field oxide (layer or film) with anisotrop\$7 near2 conduct\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/09 16:34
S129	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2010/06/09 16:49

S130	0	S129 and (insulat\$4 or conduct\$4 ) with "80"	USPAT	ADJ	ON	2010/06/09 17:04
S131	1	S129 and (insulat\$4 or conduct\$4 ) same "80"	USPAT	ADJ	ON	2010/06/09 17:04
S132	5803	field oxide with (insulat\$4 or conduct\$4)	USPAT	ADJ	ON	2010/06/09 17:08
S133	2166	field oxide with (conduct \$4)	USPAT	ADJ	ON	2010/06/09 17:08
S134	571	field oxide near3 (conduct \$4)	USPAT	ADJ	ON	2010/06/09 17:08
S135	10	field oxide near3 (conduct \$4) and electron beam	USPAT	ADJ	ON	2010/06/09 17:08
S136	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2010/06/09 17:16

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	13037	(250/396R-396ML,492.1-492.3,493.1-494.1). OCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/06/18 11:10
L4	43	L2 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl \$4 or multi\$4 or several \$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract \$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/06/18 11:10



L5	63	L2 and electron beam with (source or emitt\$4 or gun ) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (substrate or plate or membrane or layer or surface) and electrode with (metal\$4 or \$4conduct\$4 )	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/06/18 11:11
L6	18	L2 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen) AND (HEMISPHER\$5 OR BALL OR GLOB\$3 OR DROP OR ELLIPSOID\$4)	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/06/18 11:25
L7	12	L2 and electron beam with (source or emitt\$4 or gun ) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4 ) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/06/18 11:25

more) or many or multipl  
\$4 or multi\$4 or several  
\$4) with (substrate or  
plate or membrane or  
layer or surface) and  
electrode with (metal\$4  
or \$4conduct\$4 ) AND  
(HEMISPHER\$5 OR BALL  
OR GLOB\$3 OR DROP  
OR ELLIPSOID\$4)

**6/ 18/ 2010 11:28:27 AM**

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